

*** Claim Number 1 ***

A drawer slide for suspending a drawer in a carcass, comprising:

At least a pair of telescoping interconnected members where said members are fitted between a carcass and the sidewall of a drawer;

5 Rollers disposed between said members allowing telescopic slidable movement of the members while said rollers transfer the loading of the drawer to the carcass;
Stops for limiting the telescopic slidable movement of said members between a closed position and an open position;

10 At least one self closer affixed to a first member and engageable by and in alignment to be engaged by a second member, where said self closer further includes a biasing means for urging the drawer slide into a closed position when the self closer is engaged by said second member and where said self closer has a body part and a bottom part formed from a single piece and interconnected by a living hinge, and where said body part and said bottom part compatibly form a
15 completed self closer independent from being mounted on a member when said self closer is fully assembled.

*** Claim Number 2 ***

The drawer slide of Claim Number 1, where the self closer further includes a shuttle that is engageable by said second member, and where a portion of said shuttle moves within the self closer body between an open position and a closed position, and said shuttle is connected to a spring that exerts a closing bias on the shuttle which closing bias is transmittable to the second member.

*** Claim Number 3 ***

The drawer slide of Claim Number 2, wherein the bottom part further includes an integrally formed apron upon which the portion of the shuttle that is not enclosed within said body part can slidably move.

*** Claim Number 4 ***

The drawer slide of Claim Number 3, wherein said self closer body, living hinge, and self closer bottom are comprised of a plastic resin.

*** Claim Number 5 ***

The drawer slide of Claim Number 4, wherein said plastic resin has a coefficient of friction favoring the slidable movement of said shuttle.

*** Claim Number 6 ***

The drawer slide of Claim Number 5, wherein said self closer body and self closer bottom can be welded together by solvent welding or by ultrasonic welding.

*** Claim Number 7 ***

An undermount drawer slide for suspending a drawer in a carcass with at least two telescoping members, with a first member affixed to a drawer and a second member affixed to the carcass, and where said first member and said second member move

- 5 between a closed position and an open position, and further where at least one carriage is disposed lengthwise in between said members for facilitating telescopic movement there between, said carriage being comprised of two ends, and a frame, and has rollers disposed about each of said ends, and where the carriage has at least one stop on at least one of said ends, said stop being comprised of at least one shock absorbing coil.

*** Claim Number 8 ***

An undermount drawer slide as in Claim Number 7, wherein said carriage is a bottom carriage, where said second member is a cabinet member and said bottom carriage is located between the cabinet member and another member.

*** Claim Number 9 ***

An undermount drawer slide as in Claim Number 8, wherein said frame of the bottom carriage further includes a web portion integral with and extending between said ends and where the web portion includes spaced openings therein for enhancing the capability of

5 said bottom carriage to absorb shocks emanating from either or both ends of said carriage.

*** Claim Number 10 ***

An undermount drawer slide as in Claim Number 9, wherein said bottom carriage further includes stops on each of said ends.

*** Claim Number 11 ***

An undermount drawer slide as in Claim Number 10, wherein said stops include a first shock absorbing coil and a second shock absorbing coil both aligned in lengthwise series.

*** Claim Number 12 ***

An undermount drawer slide as in Claim Number 9, wherein said bottom carriage is comprised of a one-piece construction.

*** Claim Number 13 ***

An undermount drawer slide for suspending a drawer within a carcass, where said drawer slide comprises more than two telescoping members with a first member affixed to the drawer and a second member affixed to the carcass, and where at least one intermediate
5 member is telescopically interconnected between said first member and said second member, and said undermount drawer slide is movable between an open position and a closed position, where at least two carriages are disposed on said intermediate member and in between said intermediate member and a member other than said second member, and at least one of such carriages including rollers and at least one stop where said stop is
10 comprised of at least one shock absorbing coil.

*** Claim Number 14 ***

The undermount drawer slide of Claim Number 13, wherein said carriages containing at least a stop, each such stop further including multiple shock absorbing coils arranged in lengthwise series.

*** Claim Number 15 ***

An undermount drawer slide for suspending a drawer within a carcass, including at least two members for translational movement of such undermount drawer slide between an open position and a closed position, where each such undermount drawer slide is

- 5 reversibly connected to a drawer by a quick connect device which is primarily affixed to said drawer and which engages a front portion of a drawer member of said undermount drawer slide, the improvement therein comprising a quick connect device with an integrated vertical adjustment toggle, where said toggle is infinitely adjustable within its range of adjustability and said toggle is affirmatively positioned for an adjustment by the
- 10 turning of a threaded screw adjuster that is accessible to a user when the quick connect is installed on a drawer and the drawer is thereafter raised or lowered to a desired placement within the carcass.

*** Claim Number 16 ***

An undermount drawer slide of Claim Number 15, wherein said quick connect device includes a threaded screw adjuster that can be rotatably adjusted by the hand of a user.